AAC - **All Aluminum conductor.**

AAAC - **All aluminum alloy conductor.**

- It has higher tensile strength than ordinary electrical grade aluminum.

ACSR - **Aluminum conductor steel reinforced**

- It contains steel strands in core, Surrounded by electrical grade aluminum strands.

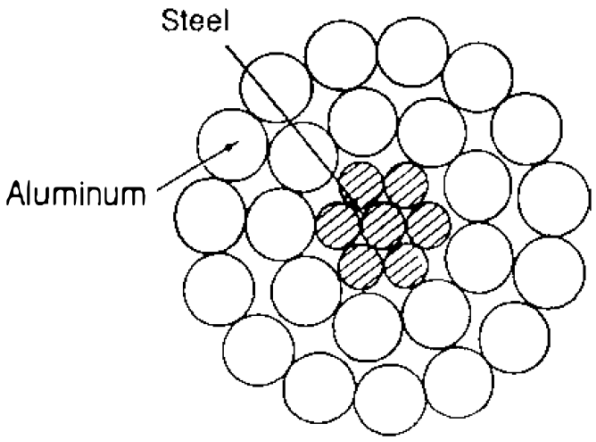
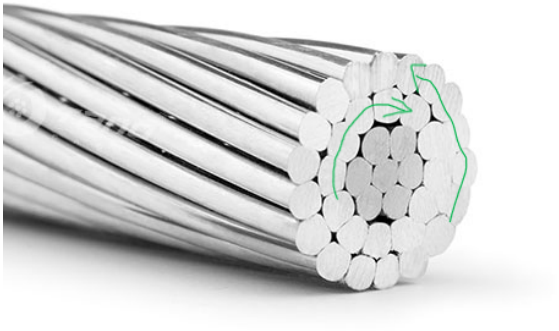


FIGURE 4.2
Cross section of a steel-reinforced conductor, 7 steel strands, and 24 aluminum strands.

ACAR - **Aluminum conductor alloy reinforced.**

- It has high strength aluminum in core surrounded by layers of electrical grade

aluminum.

Alternate layers of wire of a stranded conductor are spiraled in opposite direction to avoid unwinding and to make the outer radius of one layer coincide with the inner radius of the next layer,